

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-020643**Date Inspected:** 12-Feb-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 1500**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai,China**CWI Name:****CWI Present:****Yes No****Inspected CWI report:** **Yes No N/A****Rod Oven in Use:** **Yes No N/A****Electrode to specification:** **Yes No N/A****Weld Procedures Followed:** **Yes No N/A****Qualified Welders:** **Yes No N/A****Verified Joint Fit-up:** **Yes No N/A****Approved Drawings:** **Yes No N/A****Approved WPS:** **Yes No N/A****Delayed / Cancelled:** **Yes No N/A****Bridge No:** 34-0006**Component:** OBG & Tower**Summary of Items Observed:**

Summary of Items Observed: On this date Caltrans OSM Quality Assurance (QA) Inspector, Mike Hasler was present during the times noted above for observations and testing relative to the work being performed.

**Bay 1**

During a random observation this QA inspector observed the following components for the Orthotropic Bridge Girder (OBG);

GQ2-F209; 16qty bracket assemblies

10TR1 &amp; 10TR2; 30qty traveler rails

E2-SB12; 3qty steel barrier assemblies

Raw Materials (pipe, sq. tubing &amp; sq. bar stock) for Bike Path Hand Rail Assemblies

This QA observed that ZPMC was not performing any work on the above mention components during the time, this QA inspector was present.

**Bay 3**

During a random observation this QA inspector observed the following components for the Orthotropic Bridge Girder (OBG);

Architectural Housing; AH3150, AH3151, AH3152

This QA observed that ZPMC was not performing any work on the above mention components during the time,

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this QA inspector was present.

### Bay 4

During a random observation this QA inspector observed the following components for the Orthotropic Bridge Girder (OBG);

11TR3, 11TR1, 10TR1, 11TR2; 30+qty traveler rails

This QA observed that ZPMC was not performing any work on the above mention components during the time, this QA inspector was present.

### Bay 6

During a random observation this QA inspector observed the following components for the Orthotropic Bridge Girder (OBG);

CB18, CB19, Floor Beam; 80+qty drilled splice plates  
Galvanized Handrails; 80+qty

This QA observed that ZPMC was not performing any work on the above mention components during the time, this QA inspector was present.

### Bay 7

During a random observation this QA inspector observed the following components for the Orthotropic Bridge Girder (OBG);

Galvanized Handrails; 80+qty

This QA observed that ZPMC was not performing any work on the above mention components during the time, this QA inspector was present.

### Bay 8

During a random observation this QA inspector observed the following components for the Orthotropic Bridge Girder (OBG);

BK4A-060; 1qty bike path assembly  
BK4A-059; 1qty bike path assembly  
BK4A-063; 1qty bike path assembly  
BK4A-062; 1qty bike path assembly

This QA observed that ZPMC was not performing any work on the above mention components during the time, this QA inspector was present.

### Bay 10

During observation this QA inspector observed the following components for the Orthotropic Bridge Girder

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(OBG);

BK9A-001; 1qty bike path assembly  
BK8A-064; 1qty bike path assembly  
Lift 6 North & South Tower Head Assembly

This QA observed that ZPMC was not performing any work on the above mention components during the time, this QA inspector was present.

Bay 11

During a random observation this QA inspector observed the following components for the Orthotropic Bridge Girder (OBG);

BK4A-064; 1qty bike path assembly  
BK4A-024; 1qty bike path assembly  
BK4A-003; 1qty bike path assembly  
BK4A-057; 1qty bike path assembly  
BK4A-002; 1qty bike path assembly  
Lift 6 East & West Tower Head Cover Assembly

This QA observed that ZPMC was not performing any work on the above mention components during the time, this QA inspector was present.

Bay 12

During a random observation this QA inspector observed the following components for the Orthotropic Bridge Girder (OBG);

Segment 14W; 80+qty splice plates

This QA observed that ZPMC was not performing any work on the above mention components during the time, this QA inspector was present.

Trial Assembly

During a random observation this QA inspector observed the following components for the Orthotropic Bridge Girder (OBG);

Segment 12AE, 12BE, 12CE assemblies  
Segment 12AW, 12BW, 12CW assemblies  
CB19 Crossbeam assembly  
CB18 Crossbeam assembly

This QA observed that ZPMC was not performing any work on the above mention components during the time, this QA inspector was present.

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Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

### Summary of Conversations:

“As noted within the contents of this report.”

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact James Devey 1500026784, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Hasler, Mike	Quality Assurance Inspector
<b>Reviewed By:</b>	Riley, Ken	QA Reviewer

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